

OPP050313PCT

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PCT REQUEST

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0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE Version 3.50 (Build 0002.170)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference	OPP050313PCT
I	Title of Invention	APPARATUS OF CATALYTIC GASIFICATION FOR REFINED BIOMASS FUEL AT LOW TEMPERATURE AND THE METHOD THEREOF
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	KOREA INSTITUTE OF ENERGY RESEARCH
II-5	Address	71-2 Jang-dong, Yuseong-gu Daejeon305-343 Republic of Korea
II-6	State of nationality	KR
II-7	State of residence	KR
II-8	Telephone No.	82-42-860-3114
II-9	Facsimile No.	82-42-861-6224
II-10	e-mail	skkang@kier.re.kr
II-11	Applicant's registration No. with the Office	3-1999-900225-5

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III-1	Applicant and/or inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	KANG, Sung-Kyu
III-1-5	Address	9-103, Townhouse, 391 Doryong-dong, Yuseong-gu Daejeon305-340 Republic of Korea
III-1-6	State of nationality	KR
III-1-7	State of residence	KR
III-2	Applicant and/or inventor	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	SHIN, Hyun-Dong
III-2-5	Address	61-7 Samsung-dong, Kangnam-gu Seoul135-090 Republic of Korea
III-2-6	State of nationality	KR
III-2-7	State of residence	KR
IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	HONG, Sung-Chul
IV-1-2	Address	RM703, Newseoul Bldg., 828-8 Yeoksam-dong, Kangnam-gu Seoul135-080 Republic of Korea
IV-1-3	Telephone No.	82-2-566-5111
IV-1-4	Facsimile No.	82-2-566-6890
IV-1-5	e-mail	hongpat@unitel.co.kr
IV-1-6	Agent's registration No.	9-1998-000611-7

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V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
V-2	Item V-2 may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. As to the consequences of such national law provisions in these and certain other States, see Designations in PCT-SAFE Help.	KR
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	05 August 2004 (05.08.2004)
VI-1-2	Number	10-2004-0061657
VI-1-3	Country	KR
VI-2	Priority document request	
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (ISA/KR)
VIII	Declarations	Number of declarations
VIII-1	Declaration as to the identity of the inventor	-
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-

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IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	✓
IX-2	Description	10	✓
IX-3	Claims	3	✓
IX-4	Abstract	1	✓
IX-5	Drawings	2	✓
IX-7	TOTAL	20	
	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	-	✓
IX-9	Original separate power of attorney	-	✓
IX-17	PCT-SAFE physical media	-	-
IX-19	Figure of the drawings which should accompany the abstract	3	
IX-20	Language of filing of the international application	Korean	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)		
X-1-2	Name of signatory		
X-1-3	Capacity		

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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PCT (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only		
0-1	International Application No.		
0-2	Date stamp of the receiving Office		
0-4	Form PCT/RO/101 (Annex)		
0-4-1	PCT Fee Calculation Sheet Prepared Using	PCT-SAFE Version 3.50 (Build 0002.170)	
0-9	Applicant's or agent's file reference		OPP050313PCT
2	Applicant		KOREA INSTITUTE OF ENERGY RESEARCH
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (KRW)
12-1	Transmittal fee T	⇒	45000
12-2-1	Search fee S	⇒	225000
12-2-2	International search to be carried out by	KR	
12-3	International filing fee (first 30 sheets) i1	1195000	
12-4	Remaining sheets	0	
12-5	Additional amount (X) 0		
12-6	Total additional amount i2	0	
12-7	i1 + i2 = I	1195000	
12-12	Electronic Filing reduction (Full) R	-256000	
12-13	Total International filing fee (i-R) I	⇒	939000
12-14	Fee for priority document		
	Number of priority documents requested	1	
12-15	Fee per document (X) 0		
12-16	Total priority document fee: P	⇒	
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	1209000
12-19	Mode of payment	cash	

PCT POWER OF ATTORNEY

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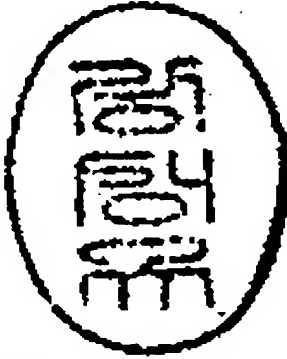
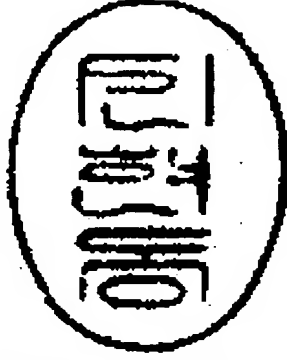
(This sheet is not part of and does not count as a sheet of the international application)

0-1	PCT Power of Attorney (for an international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)	
0-1-1	Prepared Using	PCT-SAFE Version 3.50 (Build 0002.170)
1	The undersigned applicant(s)	KOREA INSTITUTE OF ENERGY RESEARCH; KANG, Sung-Kyu; SHIN, Hyun-Dong
1-1-1	hereby appoints (appoint) the following person	HONG, Sung-Chul RM703, Newseoul Bldg., 828-8 Yeoksam-dong, Kangnam-gu Seoul135-080 Republic of Korea
1-2	as	agent
1-3	to represent the undersigned before	all the competent International Authorities
1-4	in connection with the international application identified below:	
1-4-1	Title of Invention	APPARATUS OF CATALYTIC GASIFICATION FOR REFINED BIOMASS FUEL AT LOW TEMPERATURE AND THE METHOD THEREOF
1-4-2	Applicant's or agent's file reference	OPP050313PCT
1-4-3	International application number (if already available)	
1-4-4	filed with the following Office as receiving Office	Korean Intellectual Property Office (RO/KR)
1-5	and to make or receive payments on behalf of the undersigned	
2-1	Signature of applicant, agent or common representative	
2-1-1	Name	KOREA INSTITUTE OF ENERGY RESEARCH
2-1-2	Name of signatory	KOREA INSTITUTE OF ENERGY RESEARCH
2-1-3	Capacity	

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2-2	Signature of applicant, agent or common representative	
2-2-1	Name (LAST, First)	KANG, Sung-Kyu
2-2-2	Name of signatory	
2-2-3	Capacity	
2-3	Signature of applicant, agent or common representative	
2-3-1	Name (LAST, First)	SHIN, Hyun-Dong
2-3-2	Name of signatory	
2-3-3	Capacity	
3	Date	14 June 2005 (14.06.2005)